Behavior Genetics, Vol. 19, No. 6, 1989

Author Index to Volume 19

Page numbers followed by an "a" refer to a published abstract from the 1989 Behavior Genetics Association Meeting in Charlottesville, Virginia.

Adams, N., 743a
Alcorta, E., 285
Anderson, V. E., 743a
Ayer, R., 267

Bailey, J. M., 744a
Baker, L. A., 355, 758a, 774a, 777a
Belkhir, J., 764a
Bennett, J., 771a
Benno, R., 761a
Berg, K., 209
Bergeman, C. S., 744a
Berta, J., 745a
Bertelson, A., 745a
Bigler, E., 781a
Blanco, G., 701
Boomsma, D. I., 5, 51, 79, 97, 123, 746a, 777a
Bouchard, P. R., 447
Bouchard, T. J., 768a
Boughter, J. D., 746a
Braungart, J. M., 747a
Breitner, J. C. S., 747a
Britt, C. L., 774a
Broen, P. A., 772a
Brown, R. E., 659
Brush, F. R., 748a
Buck, R., 758a
Burek, M. J., 746a
Burright, R. G., 171, 746a

Cardon, L. R., 748a
Carey, G., 183, 195, 749a, 760a
Carlier, M., 749a, 762a
Carlson, J., 267
Carmichael, C. M., 749a
Chaoui, M., 771a, 775a
Chipuer, H. M., 744a, 750a, 774a
Churchill, C. M., 747a
Colley, R. C., 743a
Colley, N. E., 743a, 750
Collins, A. C., 751a
Connell, J. M., 764a
Coon, H., 183, 750a
Cosgrove, M. J., 776a
Crusio, W. E., 543

Damez-Kinselle, I., 751a, 760a
Deckard, B. S., 433
de Fiebre, C. M., 751a
DeFries, J. C., 195, 758a
Degrelle, H., 762a
DeLuca, J., 171
Detterman, D. K., 751a, 778a
Derom, C., 151, 759a
Derom, R., 151, 759a
DeVillez, L. A., 776a
Dewey, M. J., 752a
Didier-Erickson, A., 675
Diehl, S. R., 752a, 753a
DiLalla, D. L., 753a
DiLalla, L. F., 753a
Doetschman, T. C., 754a
Dolan, C. V., 51
Donovick, P. J., 171, 746a
Dowse, H. B., 529
Draski, L. J., 754a, 770a
Driscoll, P., 757a, 775a
Dushay, M. S., 529

Eaves, L. J., 9, 37, 113, 163, 755a, 763a
Egid, K., 257
Ehrman, L., 735, 755a
Elder, B., 755a

0001-8244/89/1100-0789$06.00/0 © 1989 Plenum Publishing Corporation

Elens, A., 575
Epstein, E. E., 756a
Erwin, V. G., 764a

Finkel, D., 757a
Fisher, S., 771a
Frischknecht, H. R., 757a, 775a
Fulker, D. W., 9, 37, 113, 195, 621, 748a, 753a

Gailey, D. A., 503
Gannon, K. S., 409, 417
Gearhart, J. D., 771a
Gendre, N., 371
Gentsch, C., 759a
Ghodsian-Carpey, J., 758a
Gillis, J. J., 758a
Ginsburg, B. E., 756a, 758a
Godijns, R., 759a
Goldsmith, H. H., 759a
Gora-Maslak, G., 760a
Gottesman, I. I., 753a, 760a
Grayson, D. A., 593
Guastavino, J. M., 751a, 760s
Gynther, L., 760a

Hahn, M. E., 761a
Haier, J., 761a
Hall, J. C., 503, 529
Harder, D. B., 409
Hass, M. C., 762a
Heath, A. C., 9, 37, 113, 762a
Henderson, N. D., 387, 473, 551, 763a
Henry, A., 761a
Hesselbrook, V. M., 756a
Hewitt, J. K., 9, 37, 163, 605, 761a, 763a
Hirsch, J., 764a
Hoffman, A. A., 241
Honbo, K. A. M., 770a
Hu, D., 764a
Hughes, A. L., 685

Isaacson, M. D., 748a

Jacklin, 774a
Jannsens, C. J., 543
Jensen, A. R., 772a
Johnson, R. C., 764a, 770a
Jones, B. C., 764a
Judd, J., 229

Karkowski-Shuman, 765a
Kelley, K. A., 765a
Kendler, K. S., 163, 753a
Knesevich, J. W., 753a, 760a
Kulkarni, S. J., 503

Laffan, E. A., 766a
Lazega, D., 775a
Lechien, J., 575
Lemmens, W. A., 543
Lenington, S., 257
Leppert, M., 743a
Lichtenberg, M., 575
Lilly, M., 267
Loehlin, J. C., 331
Lofdhal, K., 764a
Luo, D., 766a
Lykken, D., 757a
Lynch, C. B., 447, 749a, 755a, 766a
Lynch, G. R., 766a

Mack, W., 355
Maclean, C. J., 753a
Maes, H., 151
Magnus, P., 209
Magruder-Habib, K., 747a
Marcovici, B. G., 781a
Martin, N. G., 5, 63, 79, 97, 746a
Mascie-Taylor, C. G. N., 223
Matsuo, M., 457
Maxon, S. C., 675
McArdle, J. J., 759a, 767a
McCauley, C. M., 767a
McClearn, G. E., 765a, 767a
McGue, M., 768a
McGuffin, P., 768a, 769a
McGuire, M., 753a
Mednick, S., 355
Meyer, J. M., 769a
Mjaatvedt, A., 771a
Moffit, T. E., 355
Molenaar, P. C. M., 51, 79, 123, 746a
Monte, P., 267
Moore, A. J., 717
Mori, M., 779a
Mosteller, M., 763a
Mullaney, J., 779a

Nagoshi, C. T., 764a, 770a
Nance, W. E., 143
Nash, D. J., 754a, 770a
Neale, M. C., 5, 9, 37, 63, 143, 151, 163, 763a, 770a

Neiderhiser, J. M., 771a
Nosten-Bertrand, M., 771a, 775a

Ogawa, S., 675
O'Hare, A., 753a
Orlebeke, J. F., 123
Oster-Granite, M. L., 771a
Owens, C., 747a

Parlour, S. F., 772a
Parsons, P. A., 772a
Partridge, L., 725
Pellegrino, J. L., 748a
Peterson, W. N., 743a
Phillips, K., 609, 621
Pickens, R. W., 768a, 779a
Plomin, R., 331, 739a
Prescott, C. A., 767a
Priolo, C., 747a
Procidano, M. E., 343
Prokopi, R. J., 752a
Puchalski, W., 766a

Reed, T. E., 772a
Reeves, R., 771a
Reich, T., 779a
Repola, K., 761a
Resnick, S. M., 773a
Rice, J., 779a
Rice, T., 195
Ringo, J. M., 529
Roehl, J. M., 773a
Rogler, L. H., 343
Rosen, B., 659
Roubertoux, P. L., 749a, 762a, 775a
Rovine, M. J., 774a
Rowe, D. C., 774a
Rubio, J., 285
Rutledge, N., 781a
Rykaszewski, I. M., 748a

Sakai, L. M., 774a
Sanchez, J. A., 701
Schieken, R., 763a
Schlesinger, K., 750a, 433
Schultz, R., 781a
Schwarz, J. C., 792a
Seiger, M. B., 775a
Shain, C. N., 748a
Siegfried, B., 757a, 775a
Signore, P., 771a, 775a
Silberg, J. L., 776a
Singer, S. M., 776a
Singh, P. B., 659
Sleight, S., 780a
Smalley, S. L., 229
Smith, L. K., 776a
Sparkes, R. S., 229
Speiss, E. B., 729
Spence, M. A., 229
Su, Y., 753a
Sun, H., 267
Sundet, J. M., 209
Stallings, M. C., 777a
Stanek, E. J., 752a
Stocker, R. F., 371
Svikis, D. S., 768a, 779a
Swabb, S., 775a
Szajnberg, N. D., 758a
Szeszulski, P. A., 777a
Szobota, L., 761a

Tambs, K., 209, 469
Thiery, E., 759a
Thiery, M., 151, 759a
Thomas, H., 467
Thompson, A. L., 229
Thompson, B., 759a
Thompson, L. A., 751a, 766a, 778a
Tsuji, K., 457
Turkheimer, E., 778a

Upchurch, M., 780a

van Abeelen, J. H. F., 543
van den Bree, M. B. M., 123
Van Eerdewegh, P., 779a
van Loon, H., 151
Vernon, P. A., 779a
Vlietinck, R., 151, 759a
Vogler, G. P., 753a, 779a

Waldman, I. D., 779a
Walsh, D., 753a
Wamboldt, P., 744a
Warren, J. M., 780a
Wehner, J. M., 780a
Weinreb, L., 761a
Welsh, K. M., 747a
Wheeler, D. A., 503
Whitney, G., 409, 417
Willerman, L., 781a
Wilson, J. R., 745a, 776a, 433
Woodard, C., 267

Yanai, J., 781a

Behavior Genetics, Vol. 19, No. 6, 1989

Subject Index to Volume 19

All page numbers refer to the first page of an article or abstract. Page numbers followed by an "a" refer to a published abstract from the 1989 Behavior Genetics Association Meeting in Charlottesville, Virginia.

Abstracts of 1989 Annual Meeting of BGA, 743
Activity, *Drosophila*, 772a
Adoption studies
  Colorado Adoption Project (CAP)
    child behavior checklist, 767a
    environmental transmission, 750a
    infant home environment, 767a
    longitudinal analysis of IQ, 609, 621, 748a
    specific cognitive abilities, 195
  Danish Adoption Cohort, criminality, 355
Aggression, mice, 746a
Alcoholism and depressive disorder, family study, 779a
Alzheimer's disease, twins, 747a
Analgesia and novelty, rats, 757a
Assortative mating
  delta paths and multiple selection, 609, 621
  Eysenck Personality Inventory (EPI), 223
  intergenerational processes and migration, 343
  latent variable model, 770a
  LISREL model, twins and their parents, 113
  personality and IQ, 223
  specific cognitive abilities, CAP, 195
  twins and spouses, personality, 749a
Ataxia, hot foot mutation, mice, 29a, 42a, 770a
Autism, dermatoglyphics, 776a
Avoidance, genotype–environment (GE) interaction, mice, 387
Avoidance and pituitary–adrenal system, rats, 748a
Behavior Genetics
  Abstracts of 1989 Annual Meeting, 743
  referees for Volume 19, 789
Behavior Genetics Annual Meeting, Secretary's Report, 783
Biases, twin studies, 593, 605
Birth weight, twins, 151
Book Review, *The Burt Affair*, 739
Burrowing, mice, 447

CAP; see Colorado Adoption Project
Child behavior checklist, CAP, 767a
Cigarette withdrawal and stress, twins, 776a
Circadian function, 766a
Cockroach, sexual selection, 717
Cognitive abilities
  differential heritability, IQ, 751a
  evoked potential and IQ, 772a
  Hawaii Family Study
    longitudinal analysis, 770a
    marital status, 764a
  infant predictors of IQ, twins, 753a
  information processing, separated twins, 768a
  IQ
    differential heritability, 751a
    evoked potential, 772a
    infant predictors, twins, 763a
    heritability, heterogeneous estimates, 331
    life-style, twins, 773a
    longitudinal analysis, CAP, twins, 609, 621, 748a
    magnetic resonance imaging, 781a
    nerve conduction velocity, 779a
    occupation and education, 779a

0001-8244/89/1200-0793$06.00/0 © 1989 Plenum Publishing Corporation

Cognitive abilities (*cont.*)
reaction time, 779a
visual tract speed, 772a
life-style and IQ, twins, 773a
longitudinal analysis of IQ, CAP, 609, 621, 748a
magnetic resonance imaging and IQ, 781a
memory, twins, 766a
nerve conduction velocity and IQ, 779a
occupation, education and IQ, 209
position emission tomography, 761a
reaction time and IQ, 779a
separated siblings, 778a
spatial ability, pedigree analysis, 229
special mental abilities, separated twins, 768a
specific cognitive abilities, 195, 778a
visual tract speed and IQ, 772a
Cohabitation effects, twins, 9
Cohort effects, twins, 9
Colorado Adoption Project (CAP), 195, 609, 621, 748a, 750a, 767a
Courtship behavior, *Drosophila*, 371
Courtship, behavioral mutants, *Drosophila*, 503
Criminality, Danish Adoption Cohort, 355
Cross-sectional analysis, twins, 767a
Cultural transmission and evolution, 749a

Danish Adoption Cohort, 355
Delinquency, 774a, 779a
Delta paths and multiple selection, assortative mating, 609, 621
Depression, 768a, 776a, 779a
Diallel cross, mouse avoidance response, 387
Diallels, derived from single and multiple populations, 551
Differential heritability, IQ, 751a
DNA markers, schizophrenia, 753a
Drosophila
activity, 772a
courtship behavior, 371
courtship song, spectral analysis, 503
egg insertion, 301
frequency-dependent sexual activity, 575, 725
geotaxis, 764a
larval olfactory response, 267, 285
locomotor activity, 529
mating behavior, 735, 775a
mating, *Adh*, 701
metabolic rate, 772a
rare-male advantage, 755a
Drosophila (*cont.*)
stress, 772a
territorial success, 241
Drosophila species
melanogaster, 241, 267, 285, 301, 371, 503, 529, 575, 701, 725, 764a, 772a
oraria, 735
pseudoobscurea, 755a
quadraria, 735
Dyslexia, parents and children, 777a

Education, occupation and IQ, 209
Egg insertion, *Drosophila*, 301
Emergenesis, MPQ, twins, 757a
Environment
nonshared, mice, 771a
shared and nonshared, 750a
Environmental transmission, CAP, 750a
EPI, assortative mating, 223
EPQ, twins, 97, 746a, 755a
Estimation of problems, LISREL, 774a
Ethanol
seizures, mice, 745a
self-report drunkenness, twins, 63
sensitivity, LS and SS mice, 751a, 764a
sensitivity, twin analysis, 79
twin analysis, 63
twin study, alcoholism, 768a
willingness to drive when drunk, twin analysis, 97
Evoked potential and IQ, 772a
Evolution and cultural transmission, 749a

Field dependence, twins, 467, 469
Female preference, mice, 257
Frequency-dependent mating, *Drosophila*, 725
Frequency-dependent sexual activity, *Drosophila*, 575

Gene modification, embryonic stem cells, mice, 754a
Genotype–environment (GE) interaction
avoidance, mice, 387
depression, 768a
LISREL, twin analysis, 9
maze learning, mice, 780a
social interactions, mice, 780a
Geotaxis, *Drosophila*, 764a
Growth and food restriction, mice, 765a

Handedness, mice, 771a, 775a
Hawaii Family Study, 770a, 764a
Heart rate, 123, 763a
Heritability of IQ, 331
Hippocampus-related behavior, mice, 315, 780a
Homosexuality, male, maternal stress, 744a
Hypothesis testing, twins and LISREL, 37

ibd linkage analysis, 143
Inbreeding and reproduction, mice, 433
Infant behavior, mice diallels, 551
Infant home environment, CAP, 767a
Infant predictors of IQ, twin study, 753a
Infant temperament, twins and siblings, 747a
Information processing, twins, 768a
Intergenerational processes and migration, assortative mating, 343
IQ and life-style, twins, 773a

Karhunen–Loeve expansion, 746a

Language acquisition, twins, 759a
Larval olfactory response, *Drosophila*, 267, 285
Latent variable model, assortative mating, 770a
Laterality, mice, 761a
Lead-induced hyperactivity, mice, 171
Learning and activity, mice, 750a
Light–dark preference, rats, 457
LISREL
  estimation of problems, 774a
  twin analysis, 5, 9, 37, 51, 63, 79, 97, 113, 123, 143, 151
Litter size, mice, 763a
Locomotor activity, *Drosophila*, 529
Longitudinal analysis of IQ
  CAP, 609, 621, 748a
  Hawaii Family Study, 770a

Magnetic resonance imaging and IQ, 781a
Male homosexuality, maternal stress, 744a
Mapping, neonatal convulsions, 743a
Marital status, Hawaii Family Study, 764a
Mating behavior, *Drosophila*, 735, 775a
Mating, *Adh*, *Drosophila*, 701
Maze learning, mice, GE interaction, 780a
Memory, twins, 766a
Metabolic rate, *Drosophila*, 772a
Methodology
  biases, twin studies, 593, 605
  cohabitation effects, twins, 9
  cohort effects, twins, 9
  comparing high and low selection lines, 473
  diallel cross, 387, 551
  diallels, derived from single and multiple populations, 551
  DNA markers, schizophrenia, 753a
  GE interaction, twins, 9
  hypothesis testing, LISREL, twins, 37
  ibd linkage analysis, 143
  Karhunen–Loeve expansion, 746a
  latent variable model, 770a
  LISREL
    estimation of problems, 774a
    twin analysis, 5, 9, 37, 51, 63, 79, 97, 113, 123, 143, 151
  twins and their parents, 113, 123
  longitudinal analysis, twins, 748a, 759a, 767a
  mapping, neonatal convulsions, 743a
  molecular and quantitative genetics, 767a
  multiple regression analysis, reading, 758a
  neuroimaging applications to psychopathology, 773a
  offspring of discordant monozygotic (MZ) twins, 745a
  offspring of dual matings, psychopathology, 745a
  pedigree analysis, spatial ability, 229
  selection bias, twins, 163
  sex interaction, twins, 9
  simplex models for repeated measures, 79, 97
  simulation and power, 763a
  structural means, LISREL, twins, 51, 763a
  twin family design, problems, 777a
Mice
  aggression, 746a
  alcohol and seizures, 745a
  ataxia, hot foot mutation, 754a, 760a, 770a
  avoidance response, 387
  burrowing, 447
  diallel cross, 387, 551
  ethanol sensitivity, SS and LS, 751a, 764a
  female preference, 257
  food restriction and growth, 765a
  GE interation, 780a

Mice (*cont.*)
gene modification, embryonic stem cells, 754a
handedness, 771a, 775a
hippocampus-related behavior, 315
hippocampus, spatial learning, 780a
inbreeding and reproduction, 433
laterality, 761a
lead-induced hyperactivity, 171
learning and activity, 750a
litter size, 763a
maze learning, 780a
nest building, 755a
nicotine sensitivity, SS and LS, 751a
nonshared environment, 771a
sexual behavior, 751a
SOA taster mice, 409, 417
social interactions, 685, 780a
spatial learning, 780a
t-complex, 257
thermoregulation and nesting, 766a
transgenic, 752a, 765a, 771a
ultrasonics, diallel study, 761a
Y chromosone, aggression, 675, 749a, 762a
Migration and intergenerational processes, assortative mating, 343
Minnesota Multiphasic Personality Inventory (MMPI), twins, 26a
Molecular techniques
applicable to BG techniques, 760a
psychopathology, 769a
quantitative genetics, 767a
Morphine and body temperature, rats, 775a
Mother–child interaction, twins, 758a
MPQ, emergenesis, twins, 757a
Multiple regression analysis, reading, 758a
Musical ability, twins, 183

Neonatal convulsions, mapping, 743a
Nerve conduction velocity and IQ, 779a
Neuroimaging applications, psychopathology, 773a
Nest building, mice, 755a
Nicotine sensitivity, LS and SS mice, 751a

Occupation, education and IQ, 209
Oviposition, *Rhagoletis pomonella*, 752a

Parkinson's disease, chickens, 781a
Pedigree analysis, spatial ability, 229
Personality
EPI, assortative mating, 223
EPQ, twin analysis, 97, 746a, 755a
infant temperament, twins and siblings, 747a
MMPI, twins, 753a
MPQ, emergenesis, twins, 757a
nonaddictive effects, EPQ, 762a
twin analysis, 744a, 744a
twins and spouses, assortative mating, 749a
Pituitary–adrenal system, rats, 748a
Position emission tomography, cognitive abilities, 761a
Psychopathology
alcoholism and depressive disorder, family study, 779a
Alzheimer's disease, twin registry, 747a
autism, dermatoglyphics, 776a
delinquency
sibling analysis, 774a
twin study, 779a
depression
genes and environment, 768a
relationship with alcoholism, family study, 779a
twin study, 776a
dual mating, offspring, 745a
dyslexia, parents and children, 777a
molecular techniques, 769a
neuroimaging, applications, 773a
new techniques, 760a
reading disability, twins, 758a
schizophrenia
affective psychosis, 745a
mapping, 753a
speech disorders, family risk, 772a
substance abuse, 756a, 760a
twins, MMPI, 753a

Quantitative and molecular techniques, 767a

Rare-male advantage, *Drosophila*, 755a
Rats
analgesia and novelty, 757a
avoidance and pituitary–adrenal system, 748a
light–dark preference, 457
morphine and body temperature, 775a
social behavior, MR and MNR strains, 743a
t-complex, odors, 659
Reaction time and IQ, 779a

Reading, multiple regression analysis, 758a
Rhagoletis pomonella, oviposition, 752a

Schizophrenia
  affective psychosis, 745a
  DNA markers, 753a
Selected lines, comparing high and low, 473
Selection bias, twins, 163
Separated siblings, cognitive abilities, 778a
Separated twins, 768a
Sex steroids, twins, 774a
Sexual behavior, mice, 751a
Sexual selection, *Nauphoeta cinerea*, cockroach, 717
Simplex models for repeated measures, 79, 97
Smoking, twins, 769a
SOA taster mice, 409, 417
Social behavior, rats, 743a
Social interaction, mice, 685
Social systems, 758a
Spatial ability, pedigree analysis, 229
Spatial learning, mice, 780a
Special mental abilities, separated twins, 768a
Species and genera
  chickens, black silky, 781a
  cockroach, *Nauphoeta cinerea*, 717
  Drosophila, see *Drosophila* species
  fruitfly, *Rhagoletis pomonella*, 752a
  hamsters, Djungarian, *Phodopus sungarus sungarus*, 766a
  mice, *Mus domesticus*; see Mice
  rats
  Novegicus, 457, 659, 743a, 748a, 757a
  Wistar, 457
Specific cognitive abilities, CAP, 195
Speech disorders, family risk, 772a
Sports participation, heart rate, 123
Stress, *Drosophila*, 772a
Substance abuse, 756a, 760a

t-complex
  mice, 257
  rats, 659
Territorial success, *Drosophila*, 241
Thermoregulation and nesting, mice, 766a
Transgenic mice, 752a, 765a, 767a, 771a
Twins
  alcohol, 63, 768a, 773a
  Alzeimer's disease, 747a
  biases, 593, 605
Twins (*cont.*)
  birth weight, 151
  cigarette withdrawal and stress, 776a
  cross-sectional analysis, 767a
  delinquency, 779a
  discordant MZ twins, offspring, 745a
  drunkenness, self-report, 63
  emergenesis, MPQ, 757a
  EPQ, 97, 746a, 755a, 762a
  field dependence, 467, 761a
  GE interaction, LISREL, 9
  heart rate increases, 763a
  infant predictors of IQ, 753a
  infant temperament, 747a
  information processing, 768a
  IQ and life-style, 773a
  language acquisition, 759a
  LISREL, 5, 9, 37, 51, 63, 79, 97, 113, 123, 143, 151
  longitudinal analysis
    changes over age, 767a
    childhood temperament, 759a
    IQ, 748a
  memory, 766a
  mother–child interaction, 758a
  MMPI, 753a
  MPQ, emergenesis, 757a
  musical ability, 183
  occupation, education and IQ, 209
  personality, 744a
  selection bias, 163
  self-report drunkenness, 63
  separated twins, 768a
  sex interaction, 9
  sex steroids, 774a
  smoking, 769a
  special mental abilities, separated twins, 778a
  specific cognitive abilities and achievement, 778a
  spouses and personality, assortative mating, 749a
  willingness to drive when drunk, 97
  substance abuse, 760a

Ultrasonics, mice, 761a

Visual system mutant, *Drosophila*, 503
Visual tract speed and IQ, 772a

Y chromosome, mice, 675, 749a, 762a